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raji

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<b>ATCC Number:</b>	CCL-86 <a href="#">order this item</a>
<b>Organism:</b>	<i>Homo sapiens</i> (human)
<b>Designation:</b>	<b>Raji</b>
<b>Depositors:</b>	W. Henle
<b>Tissue:</b>	Burkitt's lymphoma; B lymphocyte
<b>Morphology:</b>	lymphoblast
<b>Comments:</b>	EBNA positive. The <b>Raji</b> line of lymphoblast-like cells was established by R.J.V. Pulvertaft in 1963 from a Burkitt's lymphoma of the left maxilla of an 11-year-old Black male. [RF32578]
<b>Age Stage:</b>	11 years
<b>Ethnicity:</b>	Black
<b>Gender:</b>	male
<b>Reverse Transcript:</b>	negative
<b>Growth Properties:</b>	suspension
<b>Karyotype:</b>	Karyotype 100% stable within male diploid stemline of 46. Cells with 47 chromosomes frequently contained an extra "E" group chromosome. There is 6% polyploidy and occasional disparity in the size of the homologs of the number 1 chromosome and the number 4 chromosome.
<b>Subculturing:</b>	Cultures can be maintained by addition of fresh medium or replacement of medium. Alternatively the cells may be collected by centrifugation. Cultures can then be established by

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	resuspending the cells in fresh medium at $4 \times 10^5$ viable cells/ml. A maximum of $3 \times 10^6$ viable cells/ml is obtainable.
<b>Fluid Renewal:</b>	Every 2 to 3 days
<b>Freeze Medium:</b>	culture medium 95%; DMSO, 5%
<b>Applications:</b>	transfection host
<b>DNA Profile (STR):</b>	Amelogenin: X,Y CSF1PO: 10,12 D13S317: 13 D16S539: 8,11 D5S818: 10,13 D7S820: 10 TH01: 6,7 TPOX: 8,13 vWA: 16,19
<b>References:</b>	RF32578: Pulvertaft RJ. Cytology of Burkitt's tumour (African lymphoma). Lancet 1: 238-240, 1964 RF32605: Epstein MA and Barr YM. Characteristics and mode of growth of a tissue culture strain (EB1) of human lymphoblasts from Burkitt's lymphoma. J. Natl. Cancer Inst. 34: 231-240, 1965 RF32983: Ohsugi Y et al. Tumorigenicity of human malignant lymphoblasts: comparative study with unmanipulated nude mice, antilymphocyte serum-treated nude mice, and X- irradiated nude mice. J. Natl. Cancer Inst. 65: 715-718, 1980 PubMed: 81028722 RF33002: Moore PS et al. Primary characterization of a herpesvirus agent associated with Kaposi's sarcoma. J. Virol. 70: 549-558, 1996 PubMed: 96099469 RF36534: Epstein MA et al. Morphological and virological investigations on cultured Burkitt tumor lymphoblasts (strain <b>Raji</b> ). J. Natl. Cancer Inst. 37: 547-559, 1966 PubMed: 67042805 RF36535: Trans. N.Y. Acad. Sci. 29: 61, 1966 RF42259: Clark RA et al. Tenascin supports lymphocyte rolling. J. Cell Biol. 137: 755-765, 1997 PubMed: 97296342 RF42308: Rich SA et al. Purification, microsequencing, and immunolocalization of p36, a new interferon-alpha-induced protein that is associated with human lupus inclusions. J. Biol. Chem. 271: 1118-1126,

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	1996 PubMed: 96132854
<b>Propagation:</b>	ATCC medium: RPMI 1640 medium with 2 mM L-glutamine adjusted to contain 1.5 g/L sodium bicarbonate, 4.5 g/L glucose, 10 mM HEPES, and 1.0 mM sodium pyruvate., 80-90%; <u>fetal bovine serum</u> , 10-20% Temperature: 37C
<b>Related Products:</b>	Recommended medium (without the additional supplements or serum described under ATCC Medium) -- ATCC 30-2001 recommended serum 30-2020 derivative CCL-214
<b>BioSafety:</b>	Handle as potentially biohazardous material under at least Biosafety Level 2 containment.
<b>Passage submitted to the ATCC:</b>	100
<b>Virus Resist:</b>	The cells are partially resistant to poliovirus and vesicular stomatitis viruses.
<b>BioSafety Level:</b>	2
<b>Shipped:</b>	Frozen
<b>Price:</b>	\$167.00
<b>Revised :</b>	Apr 24, 2001

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